

Title (en)

A VEHICLE MOTION MANAGEMENT SYSTEM AND A MOTION SUPPORT SYSTEM FOR A VEHICLE

Title (de)

FAHRZEUGBEWEGUNGSMANAGEMENTSYSTEM UND BEWEGUNGSUNTERSTÜTZUNGSSYSTEM FÜR EIN FAHRZEUG

Title (fr)

SYSTÈME DE GESTION DE MOUVEMENT DE VÉHICULE ET SYSTÈME DE COMMANDE DE MOUVEMENT POUR UN VÉHICULE

Publication

EP 3995370 A1 20220511 (EN)

Application

EP 20205699 A 20201104

Priority

EP 20205699 A 20201104

Abstract (en)

The present disclosure relates to a vehicle motion management system as well as a motion support system for a vehicle. The vehicle motion management system and the motion support system are arranged to control operation of at least one actuator configured to apply a torque to at least one wheel of the vehicle. The vehicle motion management system is configured to transmit a control signal indicative of a desired torque and a wheel speed limit to the motion support system, whereby the motion support system is, based on the received signal, configured to transmit an actuator signal to the actuator for the actuator to generate an operating torque on the at least one wheel without exceeding an actuator rotational speed limit.

IPC 8 full level

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CPC (source: CN EP KR US)

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Citation (applicant)

- WO 2017215751 A1 20171221 - VOLVO TRUCK CORP [SE]
- HANS PACEJKA: "Tyre and vehicle dynamics", 2012, ELSEVIER LTD

Citation (search report)

- [XDAYI] WO 2017215751 A1 20171221 - VOLVO TRUCK CORP [SE]
- [YA] WO 2014184344 A1 20141120 - JAGUAR LAND ROVER LTD [GB]
- [A] US 2019322256 A1 20191024 - THA INGO [DE]
- [A] US 5275474 A 19940104 - CHIN YUEN-KWOK [US], et al

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3995370 A1 20220511; CN 114523971 A 20220524; JP 2022075585 A 20220518; KR 20220060486 A 20220511; US 2022135040 A1 20220505

DOCDB simple family (application)

EP 20205699 A 20201104; CN 202111274096 A 20211029; JP 2021179005 A 20211101; KR 20210148574 A 20211102; US 202117510451 A 20211026